

Nested servers – Mir & Wayland

Chris Halse Rogers
christopher.halse.rogers@canonical.com
Canonical

So What's Mir?

- Library to create display-server-compositor-shell-things
- Client library to talk to them
- ~90KLoC of C++ code and headers
 - Half of which are tests

So What's Mir?

- Some design decisions differ from Wayland
 - API, not protocol
 - Server allocated window colour buffers
- Different focus
 - By us, for us
 - “accidentally” generally useful

XMir & XWayland

- Xfree86 extension modules
 - Video DDX integration
 - Input DDX
 - Miscellaneous fun

We're in yr (video) DDX

- Kindly don't touch the display
- Buffers, please
- Let us get that RANDR for you
- Life's more fun with GLX

What can we share?

- Glamor-based generic hosted video DDX
- Window manager proxy
- libxcwm?